Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
95	Providing and fixing 18 mm thick gang saw cut granite of any color and shade, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch up, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. (P.No. 69, I.No. 10.1.1, V-2 of PWP & IWTD SR 2021-22)	Sqm	54.23	3,900.85	2,11,523.59	0.00	0.00	0.00	0.00
96	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.(P.No. 64, I.No. 9.30 of PWP & IWTD SR 2021-22) GROUND FLOOR	Sqm	18.00	2,688.05	48,384.90	0.00	0.00	0.00	0.00
97	Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, mortar, labour, curing complete as per specifications.(P.No. 64, I.No. 9.30 of PWP & IWTD SR 2021-22) FIRST FLOOR	Sqm	29.70	5,158.53	1,53,208.34	0.00	0.00	0.00	0.00
98	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., Complete. Size of Tile 500x500 mm (KWPD 2021-22, V-II, Item No 9.12.1, Page No 60)	Sqm	76.32	1,135.71	86,677.39	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
99	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. (KWPD 2021-22, V-II, Item No.9.11, Page No.60)	Sqm	3.60	854.71	3,076.96	0.00	0.00	0.00	0.00
100	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per m2, including pointing in white cement mixed with pigment of matching shade complete. (KWPD 2021-22, V-II, Item No.10.14, Page No.71)	Sqm	19.53	1,081.08	21,113.49	0.00	0.00	0.00	0.00
101	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (P.No. 105, I.No. 12.54 of PWP & IWTD SR 2021-22) GROUND FLOOR	Sqm	1.89	544.44	1,028.99	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
102	Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. (P.No. 105, I.No. 12.54 of PWP & IWTD SR 2021-22) FIRST FLOOR	Sqm	3.78	549.32	2,076.43	0.00	0.00	0.00	0.00
103	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 No's of 75mm Aluminium hinges -do- with both side prelam.(P.No. 106, I.No. 12.55.1 of PWP & IWTD SR 2021-22) GROUND FLOOR	Sqm	1.58	4,358.45	6,864.56	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
104	Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 No's of 75mm Aluminium hinges -do- with both side prelam.(P.No. 106, I.No. 12.55.1 of PWP & IWTD SR 2021-22) FIRST FLOOR	Sqm	3.15	4,402.36	13,867.43	0.00	0.00	0.00	0.00
	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.(P.No. 99, I.No. 12.11 of PWP & IWTD SR 2021-22) GROUND FLOOR	Cum	0.44	1,03,612.51	45,071.44	0.00	0.00	0.00	0.00
	roviding Honne wood frames of doors, windows, clerestory indows, ventilators and other frames, wrought, framed or sembled including making plaster groves (excluding cost of nent concrete and side clamps), but including cost of materials, our, usage charges complete as per specifications.(P.No. 99, o. 12.11 of PWP & IWTD SR 2021-22) FIRST FLOOR	Sqm	0.27	1,04,399.90	28,187.97	0.00	0.00	0.00	0.00
	viding and fixing in position fully panelled Honne wood utters for doors with stiles and rails of 40mm. thick with bottom d lock rails 180mm wide top rail and stiles 100mm wide as per rawing and panels of 25mm thick including cost of materials, abour, usage charges complete as per specifications. (excluding cost of fixtures)(P.No. 100, I.No. 12.15 of PWP & IWTD SR 2021 22) GROUND FLOOR	Sqm	27.72	5,815.17	1,61,196.51	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present bill			
						Qnty	Amount	Qnty	Amount
108	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures)(P.No. 100, I.No. 12.15 of PWP & IWTD SR 2021-22) FIRST FLOOR	Sqm	20.16	5,873.71	1,18,413.99	0.00	0.00	0.00	0.00
109	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. (P.No. 107, I.No. 12.68.1 of PWP & IWTD SR 2021-22) GROUND FLOOR	Each	20.00	42.93	858.60	0.00	0.00	0.00	0.00
110	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. (P.No. 107, I.No. 12.68.1 of PWP & IWTD SR 2021-22) FIRST FLOOR	Each	20.00	43.91	878.20	0.00	0.00	0.00	0.00
111	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete. (P.No. 107, I.No. 12.60 of PWP & IWTD SR 2021-22) GROUND FLOOR	Each	6.00	953.26	5,719.56	0.00	0.00	0.00	0.00
112	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete. (P.No. 107, I.No. 12.60 of PWP & IWTD SR 2021-22) FIRST FLOOR	Each	6.00	963.02	5,778.12	0.00	0.00	0.00	0.00
113	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete (P.No. 107, I.No. 12.63 of PWP & IWTD SR 2021-22) GROUND FLOOR	Each	5.00	126.84	634.20	0.00	0.00	0.00	0.00
114	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete (P.No. 107, I.No. 12.63 of PWP & IWTD SR 2021-22) FIRST FLOOR	Each	5.00	127.82	639.10	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
115	Providing and laying heavy duty cobble sTonnes 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications.(P.No. 64, I.No.9.32 of PWP & IWTD SR 2021-22)	Sqm	22.00	1,312.32	28,871.04	0.00	0.00	0.00	0.00
116	Earth work excavation for pipeline trenches in all kinds of soils bymechanical means above 600 mm trench width as per drawing andtechnical specifications, including setting out, construction of shoring,strutting, barricading, caution lights, bracing, using sight rails & boningrods at every 100 mm whevere necessary as directed, removal ofstumps and other deleterious matter, dressing of sides and levellingthe bottom of trench to the extent required , utilising the availableexcavated earth locally for the work etc., and all other appurtenancescomplete in the following strata. (P.No. 10, I.No. 1.17.1 of PWP & IWTD SR 2018-19)	Cum	14.78	221.48	3,273.47	0.00	0.00	0.00	0.00
117	Concealed Conduit System: Supplying .... Mm dia 2mm2.5mm Thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc... and running before concreting th eslab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be convered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary (P.No. 1, I.No. 1.2 of PWD Ele SR 2021-22)	M	75.00	63.42	4,756.50	0.00	0.00	0.00	0.00
118	1.2.2) 25mm dia 2mm thick	M	50.00	72.20	3,610.00	0.00	0.00	0.00	0.00
119	1.2.3) 32mm dia 2.5mm thick	M	50.00	96.59	4,829.50	0.00	0.00	0.00	0.00
120	57.05) PVC pipe-50mm dia (P.No. 21, Sl.No. 448 of BESCOM SR 2021-22)	M	300.00	53.66	16,098.00	0.00	0.00	0.00	0.00
121	57.07) PVC pipe-75mm dia (P.No. 21, Sl.No. 450 of BESCOM SR 2021-22)	M	75.00	82.93	6,219.75	0.00	0.00	0.00	0.00

Sl. No	Description of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total Cleared up to Date	
						Qnty	Amount	Qnty	Amount
122	57.07) PVC pipe-100mm dia (P.No. 20, Sl.No. 452,of BESCOM SR 2021-22)	M	75.00	132.70	9,952.50	0.00	0.00	0.00	0.00
123	Supplying heavy gauge PVC Conduit Pipe .... dia ..... mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering upto the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. (P.No. 1, I.No. 1.3 of PWD Ele SR 2021-22)	M	75.00	78.06	5,854.50	0.00	0.00	0.00	0.00
124	1.3.2) 25 mm dia 2 mm thick	M	75.00	82.93	6,219.75	0.00	0.00	0.00	0.00
125	1.3.3) 32 mm dia 2.5 mm thick	M	50.00	109.28	5,464.00	0.00	0.00	0.00	0.00
126	1.3.4) 40 mm dia 2.5 mm thick	M	50.00	123.91	6,195.50	0.00	0.00	0.00	0.00
127	Supplying heavy gauge PVC conduit pipe..... dia confirming to IS 2509 with suitable size benda, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. (ELE SR 2021-22 Page-1, Item-1.1.2)	M	100.00	82.93	8,293.00	0.00	0.00	0.00	0.00
128	Supplying..... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary. (ELE SR 2021-22 Page-1, Item-1.2.2)	M	100.00	72.20	7,220.00	0.00	0.00	0.00	0.00
129	Groove cutting in the wall supplying.....dia 2mm/2.5mm thick heavy gauge PVC Conduit Pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary. (ELE SR 2021-22 Page-I, Item-1.3.2)	M	100.00	83.91	8,391.00	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
130	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.(ELE SR 2021-22 Page-1, Item-1.4)	Each	20.00	135.62	2,712.40	0.00	0.00	0.00	0.00
131	d)180x90x65mm	Each	20.00	160.99	3,219.80	0.00	0.00	0.00	0.00
132	e)200x90x65mm	Each	20.00	175.63	3,512.60	0.00	0.00	0.00	0.00
133	Supplying and fixing PVC/metal conduit accessories.(3/5) (ELE SR 2021-22 Page-1, Item-1.5)	Each	10.00	53.66	536.60	0.00	0.00	0.00	0.00
134	c) 32mm deep junction box		10.00	73.18	731.80	0.00	0.00	0.00	0.00
135	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work cpmplete.(ELE SR 2021-22 Page-2, Item-1.6)	M	10.00	116.11	1,161.10	0.00	0.00	0.00	0.00
136	b)12"x9"x3" (300x228x76)		10.00	109.28	1,092.80	0.00	0.00	0.00	0.00
137	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. compelete for Each outlet. (ELE SR 2021-22 Page-2, Item-2.1)	Each	20.00	286.86	5,737.20	0.00	0.00	0.00	0.00
138	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch (Each point)		20.00	401.99	8,039.80	0.00	0.00	0.00	0.00
139	Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using copper PVC insulated multi strand 2x1.5Sqmm copper wire without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for Each outlet. (ELE SR 2021-22 Page-3, Item-2.2)	No's	25.00	261.49	6,537.25	0.00	0.00	0.00	0.00
140	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	No's	25.00	375.64	9,391.00	0.00	0.00	0.00	0.00
141	2.2.3)Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	No's	3.00	563.95	1,691.85	0.00	0.00	0.00	0.00
142	2.2.4)Two outlet in a row,above 3Mtr upto 6Mtr from tapping point to out let via switches	No's	5.00	698.60	3,493.00	0.00	0.00	0.00	0.00
143	2.2.5)Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches box	No's	5.00	1,019.61	5,098.05	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Variation Qty	Amount
						Qnty	Amount		
144	Suppling and fixing PVC/metal conduit deep juction boxes (P.No. 3, I.No. 1.5 of PWD Ele SR 2021-22)	No's	10.00	50.74	507.40	0.00	0.00	0.00	0.00
145	1.5.2) 25mm deep juction box	No's	10.00	52.69	526.90	0.00	0.00	0.00	0.00
146	1.5.3) 32mm deep juction box	No's	10.00	71.23	712.30	0.00	0.00	0.00	0.00
147	1.12)Suplay and fixing Metal Fan Box with Round Hook	No's	15.00	169.77	2,546.55	0.00	0.00	0.00	0.00
148	Supplying and flush mounting powder coated metal box suitable for mounting modular switch plates.The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall (P.No. 9, I.No. 3.4 of PWD Ele SR 2021-22)	No's	6.00	127.82	766.92	0.00	0.00	0.00	0.00
149	3.4.2) 4-5Way	No's	5.00	143.43	717.15	0.00	0.00	0.00	0.00
150	3.4.3) 6 Way	No's	5.00	220.51	1,102.55	0.00	0.00	0.00	0.00
151	3.4.4) 8Way	No's	2.00	260.51	521.02	0.00	0.00	0.00	0.00
152	3.4.5) 10-12Way	No's	3.00	338.57	1,015.71	0.00	0.00	0.00	0.00
153	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required No's. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (ELE SR 2021-22 Page-5, Item-3.5.3)	Each	20.00	253.68	5,073.60	0.00	0.00	0.00	0.00
154	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate..(ELE SR 2021-22 Page-5, Item-3.6)	Each	68.00	91.72	6,236.96	0.00	0.00	0.00	0.00
155	3.6.2) 6A mps Two way	Each	15.00	158.06	2,370.90	0.00	0.00	0.00	0.00
156	3.6.4) Stepped fan regulator.	Each	15.00	325.88	4,888.20	0.00	0.00	0.00	0.00
157	i) 32Amps DP switch		8.00	390.28	3,122.24	0.00	0.00	0.00	0.00
158	j) 6/16Amps universal socket		15.00	258.56	3,878.40	0.00	0.00	0.00	0.00
159	3.6.11) 6/16Amps univeral socket		5.00	258.56	1,292.80	0.00	0.00	0.00	0.00
160	Supplying and fixing superior gality modular switch mounting polycorbonate plate with neceaary supporting back plate with rquired No's. of machine screwes, bolts nuts etc., complete on the existing metal/PVC box..(P.No. 10, I.No. 3.6 of PWD Ele SR 2021-22)	Each	10.00	158.06	1,580.60	0.00	0.00	0.00	0.00
161	3.5.2) 4 Module	Each	10.00	181.48	1,814.80	0.00	0.00	0.00	0.00
162	3.5.3) 6 Module	Each	10.00	253.68	2,536.80	0.00	0.00	0.00	0.00
163	3.5.4) 8 Module	Each	4.00	314.18	1,256.72	0.00	0.00	0.00	0.00
164	3.5.5) 10-12 Module	Each	5.00	377.60	1,888.00	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
165	Supplying and fixing regular MCB distribution boards on wall/ woodboard /flush mounting required clamps,bolts,nuts etc.. with provision for fixing suitable type capacity MCB's single phase /3 phase /single door with powder coated painting etc., complete (P.No. 27, I.No. 5.18 of PWD Ele SR 2021-22)	Each	1.00	1,766.02	1,766.02	0.00	0.00	0.00	0.00
166	5.18.8) 12Way SP & N	Each	1.00	2,153.37	2,153.37	0.00	0.00	0.00	0.00
167	5.18.9) 4Way TP & N	Each	1.00	3,180.78	3,180.78	0.00	0.00	0.00	0.00
168	5.18.10) 6Way TP & N	Each	1.00	3,644.24	3,644.24	0.00	0.00	0.00	0.00
169	Supplying and fixing and wiring Earth Leakage Miniature Circuit Breaker [RCCB] 240/450V up 300mA sensitivity on exsiting wood/panel board. (P.No. 28, I.No. 5.19 of PWD Ele SR 2021-22)	Each	2.00	5,033.64	10,067.28	0.00	0.00	0.00	0.00
170	5.19.3)32-40 Amps 4 Pole	Each	2.00	4,563.35	9,126.70	0.00	0.00	0.00	0.00
171	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 Mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia (P.No.40, I.No. 6.1 of PWD Ele SR 2021-22)	Each	1.00	3,125.17	3,125.17	0.00	0.00	0.00	0.00
	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 Mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia nd the electrode should be covered 150mm all-round with lternate layers of salt and charcoal from the bottom of the CC amber. The connection from the electrode is to be established rough GI strip using GI bolts and nuts. (P.No.40, I.No. 6.2 of WD Ele SR 2021-22)	Each	1.00	4,324.30	4,324.30	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
173	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. (P.No. 55, I.No. 7.3 of PWD Ele SR 2021-22)	Each	40.00	122.94	4,917.60	0.00	0.00	0.00	0.00
174	Copper strip ((7.3.6)25x3mm)	Each	25.00	544.44	13,611.00	0.00	0.00	0.00	0.00
175	Copper strip ((7.22.6)8SWG copper wire)	Each	15.00	112.21	1,683.15	0.00	0.00	0.00	0.00
176	Supplying of 2 feet LED PVC square batten with high quality diffuser with ife of 25000 burninng hours & 70% lumen maintance with CRI>80. power input :220-240V @ 50 hz & power factor >.9 along with CE approved drivers. 5 years warranty (P.No. 34, I.No. 11.3 of PWD Ele SR 2021-22)	Each	6.00	770.80	4,624.80	0.00	0.00	0.00	0.00
177	Supplying of recess mounting non integrated type LED down light 15-18W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clA, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LED's are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage, short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. (P.No. 34, I.No. 11.4 of PWD Ele SR 2021-22)	Each	30.00	2,265.58	67,967.40	0.00	0.00	0.00	0.00
178	Fixing all types and all capacities of fluorescent / fales ceiling /spot light /CFL / LED fittings indoor on the wall /ceiling / refters / girders using 23/0.0076" twin twisted PVC insulated wires, required No's of round blocks and clamps .(P.No. 34, I.No. 13.7 of PWD Ele SR 2021-22)	Each	36.00	123.91	4,460.76	0.00	0.00	0.00	0.00
179	Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable for operate of 230V 50Hz, AC Supply. (P.No. 22, I.No. 6.1 of PWD Ele SR 2021-22)	Each	6.00	1,606.00	9,636.00	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
180	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge. (P.No. 128, I.No. 14.31 of PWP & IWTD SR 2021-22,Vol-II)	Each	6.00	114.16	684.96	0.00	0.00	0.00	0.00
181	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double bail bearing system. 48" Sweep (1200mm)(P.No. 22, I.No. 6.4 of PWD Ele SR 2021-22)	Each	20.00	3,072.48	61,449.60	0.00	0.00	0.00	0.00
182	Supplying wall mounting fan suitable to operate at singlephase 230v AC. supply. (1200mm) 400 mm Sweep (P.No. 22, I.No. 6.5.2 of PWD Ele SR 2021-22)	Each	8.00	2,957.35	23,658.80	0.00	0.00	0.00	0.00
183	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply &completely wired on existing box. (ELE SR 6 Page-6, Item-3.7)	Each	12.00	777.63	9,331.56	0.00	0.00	0.00	0.00
184	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. (ELE SR 2021-22 Page-3, Item-2.3)	M	200.00	19.51	3,902.00	0.00	0.00	0.00	0.00
185	b. 1.5 Sqmm		430.00	28.30	12,169.00	0.00	0.00	0.00	0.00
186	2.3.3) 2.5 Sqmm		390.00	41.96	16,364.40	0.00	0.00	0.00	0.00
187	2.3.4) 4 Sqmm		350.00	63.42	22,197.00	0.00	0.00	0.00	0.00
188	C.6 Sqmm		390.00	89.76	35,006.40	0.00	0.00	0.00	0.00
189	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm …. Etc as required. (ELE SR 2021-22 Page-2, Item-1.8)	M	50.00	28.30	1,415.00	0.00	0.00	0.00	0.00
190	Supplying PVC/GI flexible conduit pipe….mm dia fixing on surface over inverted wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pipe terminated completely. (ELE SR 2021-22 Page-2, Item-1.9)	No's	50.00	27.32	1,366.00	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
191	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws. (ELE SR 2021-22 Page-6, Item-3.10.2)	No's	20.00	14.64	292.80	0.00	0.00	0.00	0.00
192	Supplying a 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slap. (ELE SR 2021-22 Page-6, Item-3.11)	No's	20.00	10.73	214.60	0.00	0.00	0.00	0.00
193	Supplying and fixing of slim box fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Flouresent Tube. 1 x 4' Tube light fitting. (ELE SR 2019-20 Page-41, Item-12.25.2)	Each	10.00	322.96	3,229.60	0.00	0.00	0.00	0.00
194	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply 28 watts Lamp (ELE SR 2021-22 Page-40, Item-12.18.2)	Each	12.00	175.63	2,107.56	0.00	0.00	0.00	0.00
195	Supplying, installing, testing and commissioning of Diesel Generator set with following specifications. Power rating as per standard reference condition as per-BS 5514/ISO 3046/ ISO 8528 & IS 1002/ISO 3046 Generator set specifications. Engine: Diesel generating set are rated at 1500RPM and conform to ISO 8528 specifications. The engines are radiator cooled, four stroke and multi cylinder, conforming to ISO 3046. The scope of supply includes: Electrical starter motor12V DC Battery charging alternator, Bosch fuel system with mechanical governor, A1 Class. Spin-on lube oil filter, Spin-on dual fuel filter with water separator, Turbocharger, Charge air cooler, Silencer (Hospital grade), Dry type air cleaner, Shutoff coil, Flywheel and flywheel housing, First fill of lube oil and coolant, Safety for low lube oil pressure, Safety for high water temperature, Permissible overload of 10% for one hour in 12 hours of operation Capacity of Fuel Tank: Fuel tank suitable for 8 hours of operation Alternator: Alternator is suitable for operation at 1500 RPM, 415 V, 0.8 pf (lag) suitable for 50 Hz, 3 phase, 4 wire systems, conforming to IS/IEC 60034-1. The Alternator is brush less type, screen protected, revolving field, self [illegible]	Each	1.00	3,67,392.03	3,67,392.03	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
196	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge to the appropriate disposal area. (P.No. 169, I.No.19.57 of PWP & IWTD SR 2021-22)	Cum	174.82	65.37	11,427.66	0.00	0.00	0.00	0.00
197	BESCOM CHARGES	Each	1.00	4,16,819.04	4,16,819.04	0.00	0.00	0.00	0.00
198	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid(P.No. 123, I.No. 14.3.1 of PWP & IWTD SR 2021-22) GROUND FLOOR	Each	1.00	5,737.12	5,737.12	0.00	0.00	0.00	0.00
199	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid(P.No. 123, I.No. 14.3.1 of PWP & IWTD SR 2021-22) FIRST FLOOR	Each	2.00	5,793.71	11,587.42	0.00	0.00	0.00	0.00
200	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid (KPWD SR 2021-22, Volume-II, Item No.14.2.1, Page No.123)	Each	2.00	4,614.09	9,228.18	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
201	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : One urinal basin with 5 litre white P.V.C. automatic flushing cistern (KPWD SR 2021-22, Volume-II, Item No.14.4.1, Page No.123)	Each	2.00	4,053.06	8,106.12	0.00	0.00	0.00	0.00
202	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15mm C.P. brass pillar taps (KPWD SR 2021-22, Volume-II, Item No.14.7.1, Page No.124) GROUND FLOOR	Each	11.00	2,898.80	31,886.80	0.00	0.00	0.00	0.00
203	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15mm C.P. brass pillar taps (KPWD SR 2021-22, Volume-II, Item No.14.7.1, Page No.124) FIRST FLOOR	Each	2.00	2,927.10	5,854.20	0.00	0.00	0.00	0.00
204	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 510x1040 mm bowl depth 250 mm (P.No. 125, I.No. 14.10.1.1 of PWP & IWTD SR 2018-19)	Each	1.00	5,696.14	5,696.14	0.00	0.00	0.00	0.00
205	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (KPWD SR 2021-22, Volume-II, Item No.13.34)	LTR	4,000.00	9.27	37,080.00	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
206	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments. 2 HP, Size 65x50 Head 13M, Discharge 462 LPM(P.No. 164, I.No. 46.1 of PWP & IWTD SR 2021-22)	Each	1.00	17,681.64	17,681.64	0.00	0.00	0.00	0.00
207	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge Concealed work, including cutting chases and making good the walls etc. 15mm nominal dia pipes.(I.No. 13.32.1 of PWP & IWTD SR 2021-22,1st Corrigendum and Addendum order - 21-04-2022)	Mtr	50.00	350.28	17,514.00	0.00	0.00	0.00	0.00
208	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge Concealed work, including cutting chases and making good the walls etc. 20mm nominal dia pipes.(I.No. 13.32.2 of PWP & IWTD SR 2021-22,1st Corrigendum and Addendum order - 21-04-2022)	Mtr	50.00	427.36	21,368.00	0.00	0.00	0.00	0.00
	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge Concealed work, including cutting chases and making good the walls etc. 25mm nominal dia pipes.(I.No. 13.32.3 of PWP & IWTD SR 2021-22,1st Corrigendum and Addendum order - 21-04-2022)	Mtr	50.00	546.39	27,319.50	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
210	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 25 mm nominal dia Pipes (KPWD SR 2021-22, Volume-II, Item No.13.31.3)	Mtr	100.00	361.98	36,198.00	0.00	0.00	0.00	0.00
211	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall 32 mm nominal dia Pipes (KPWD SR 2021-22, Volume-II, Item No.13.31.4)	Mtr	100.00	449.80	44,980.00	0.00	0.00	0.00	0.00
212	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge Concealed work, including cutting chases and making good the walls etc. 32mm nominal dia pipes.(I.No. 13.32.4 of PWP & IWTD SR 2021-22,1st Corrigendum and Addendum order - 21-04-2022)	Mtr	50.00	637.13	31,856.50	0.00	0.00	0.00	0.00
213	Constructing brick masonry chamber of internal dimension 600x450mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.(P.No. 187, SOR CODE-T130A of PWP & IWTD SR 2021-22.Vol-V)	Mtr	3.00	5,013.15	15,039.45	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
214	Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc HDPE Grade PE100-PN6.0,200mm dia..(P.No. 126, SOR Code-K060I of PWP & IWTD SR 2021-22,Vol-V)	Mtr	50.00	985.46	49,273.00	0.00	0.00	0.00	0.00
215	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore (P.No. 114, I.No. 13.2.2 of PWP & IWTD SR 2021-22,Vol-II)	Mtr	15.00	394.18	5,912.70	0.00	0.00	0.00	0.00
216	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore(P.No. 114, I.No. 13.3.2 of PWP & IWTD SR 2021-22,Vol-II)	Mtr	5.00	394.18	1,970.90	0.00	0.00	0.00	0.00
217	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber 150 x 100 mm size P type With Non Modular common burnt clay bricks of designation 3.5 & with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight or cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: (KPWD SR 2021-22, Volume-II, Item No.13.39)	Each	12.00	2,634.39	31,612.68	0.00	0.00	0.00	0.00
218	Providing and fixing PTMT grating of approved quality and colour Circular type 100 mm nominal dia.(P.No. 118, I.No. 13.22.1.1of PWP & IWTD SR 2021-22,Vol-II)	No's	5.00	102.45	512.25	0.00	0.00	0.00	0.00
19	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. (P.No. 128, I.No. 14.31 of PWP & IWTD SR 2021-22,Vol-II) GROUND FLOOR	No's	7.00	1,112.30	7,786.10	0.00	0.00	0.00	0.00

Sl. No	Discription of Item	Unit	BOQ Qty	BOQ RATE	Amount	Present Bill		Total claimed up to this bill	
						Qnty	Amount	Qnty	Amount
220	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. (P.No. 128, I.No. 14.31 of PWP & IWTD SR 2021-22,Vol-II) FIRST FLOOR	No's	2.00	1,112.00	2,224.00	0.00	0.00	0.00	0.00
221	4 Seater Student Desk Heavy Fabricated Frame with 18mm pre laminated board top complete as per specification and the directions of Engineer-in-charge	No's	571.00	14,937.95	85,29,569.45	571.00	85,29,569.45	571.00	85,29,569.45
	Total Amount				**9,10,62,516.71**		**6,97,18,423.40**		**6,97,18,423.40**
	18% GST						**1,25,49,316.21**		**1,25,49,316.21**
	Total						**8,22,67,739.61**		**8,22,67,739.61**
	Ammount in Rs				**Rupees Eight Crore Twenty Two Lakhs Sixty Seven Thousand Seven Hundred Thirty Nine and Sixty One Paise Only**				

Contractor

Asistant Engineer
Yelahanaka Project Division

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92